



Lunabrite Rope Specification Sheet

Product Description	High performance, indoor/outdoor trim and accent luminescent lighting, powered exclusively by exposure to sun or ambient light. Does not require batteries, bulbs or electricity. Recharges naturally with exposure to sun or ambient light.
Product Function	Provides maintenance free illumination and offers design elements for enhanced visibility and safety when used in darkened conditions. Lunabrite provides a vibrant glow that works in combination with retro reflective materials for an even higher level of safety. Performance will vary depending upon actual use, exposure conditions and maintenance. Users should test Lunabrite to satisfy conformance of their own requirements.
Light Activation	Lunabrite activates within 5 minutes exposure to ambient or sunlight light sources. Brightness is directly proportional to light intensity and exposure. Maximum brightness is achieved with exposure to 30 minutes of direct light.
Light Persistence	Brightest light is evident in darkened conditions during the first 3 to 4 hours after exposure. Brightness will diminish slowly until recharged in ambient or sunlight. Total perceptible glow can be visible up to a maximum of 12 hours.
Visible Distance	Visible from approximately 30 feet up to 100 feet depending upon conditions and amount of Lunabrite used and is surface area dependent.
Available Sizes	Offered in four standard sizes: 1/8", 3/16", 5/16" and 3/8" Outer Diameters. The three smallest sizes have a 1/4" selvage edge for either sewing or mounting for attachment purposes. Custom shapes and size are available. Custom Sizes/Configurations: Alternate shapes and diameters are available. Call 973.794.1063 for pricing and lead-time or custom orders.
Available Colors	Arctic Blue (Bright Blue), Spring Green (Blue/Green) and LimeLight (Lime Green). Custom Colors also available.
Available Materials	Outer sleeve: Optically clear PVC. Also available in CPSIA compliant PVC and TPE. Inner Material: Vulcanized Polymer solid core with inorganic pigments.
Compliance	Our materials are fully compliant with REACH (1907/2006/EC), ROHS (2002/95/EEC) CONEG, Prop 65, SARA Section 313, CPSIA (where specified) and ASTM F963-07.
Tensile Strength	PSI 1900 as tested for 3/16" size. Tensile strength is greater for larger diameters.
Temperature Performance	-30 to 150 degrees F.
Laundering Instructions	Machine washable and dryer tolerant per appliance manufacturers instructions.
Indoor/Outdoor Performance	Weather and UV resistant, anti microbial.
Cut to length process	Cuts easily with standard cutting instruments such as scissors or bladed instruments.
Toxicity	Oral Acute toxicity testing from CPTC Labs determined Lunabrite to be fully non-toxic, safe around children and pets, safe if accidentally ingested.